

WHAT IS CLAIMED IS:

1. A system that assembles a dedicated user interface that allows an input segmented image to be manipulated comprising:

a segmentation classification association circuit that associates a  
5 segmentation classifier and at least one segment of the input segmented image; and  
an image processing tool association circuit that determines at least one  
image processing tool corresponding to the segmentation classifier.

2. The system of claim 1, further comprising a user interface assembly  
circuit that assembles at least one selectable interface widget into at least one user  
10 interface based on the at least one image processing tool corresponding to the  
segmentation classifier.

3. The system of claim 2, wherein the system modifies the at least one  
segment based on a selection of the at least one image processing tool associated with  
the at least one user interface.

4. The system of claim 1, further comprising a segmentation mapping  
15 circuit that determines the at least one segment based on a position of a user input  
device in the input segmented image.

5. The system of claim 4, wherein the segment mapping circuit highlights  
the at least one segment based on the position of a user input device in the input  
20 segmented image.

6. The system of claim 1, further comprising a segmentation selection  
circuit that selects the at least one segment.

7. The system of claim 1, wherein the image processing tool association  
circuit determines the at least one image processing tool based on at least one of  
25 predefined configurable association data, updatable configurable association data or  
user configurable association data.

8. The system of claim 1, wherein the segmentation classifier corresponds  
to at least one of a photographic region, a half-tone region, a text region, a line art  
region, a black and white region or a color region.

9. The system of claim 1, wherein the dedicated user interface is a  
30 graphical user interface comprising at least one of a drop-down menu, a pull-down  
menu, a radio button, a tab button, a segment display area or a slide bar.

10. A storage medium that stores information, the information controlling assembly of a dedicated user interface that allows manipulation of an input segmented image and comprising:

5 information that associates a segmentation classifier and at least one segment of the input segmented image; and

information that determines at least one image processing tool corresponding to the segmentation classifier.

11. The storage medium of claim 10, further comprising information that assembles at least one user interface based on the at least one image processing tool corresponding to the segmentation classifier.

12. A method of assembling a dedicated user interface for manipulation of an input segmented image comprising:

determining a segmentation classifier associated with at least one segment of the input segmented image; and

15 associating at least one image processing tool with the at least one segment of the input segmented image.

13. The method of claim 12, further comprising assembling at least one selectable interface widget into at least one user interface based on the at least one image processing tool associated with the segmentation classifier.

20 14. The method of claim 13, further comprising modifying the at least one segment based on a selected image processing tool.

15. The method of claim 12, further comprising determining at least one segment based on a position of a user input device.

25 16. The method of claim 12, further comprising selecting at least one segment.

17. The method of claim 12, further comprising determining at least one image processing tool based on at least one of predefined configurable association data, updatable configurable association data or user configurable association data.

30 18. The method of claim 17, further comprising updating the user configurable association data.

19. The method of claim 12, wherein the segmentation classifier corresponds to at least one of a photographic region, a half-tone region, a text region, a line art region, a black and white region or a color region.

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21. The method of claim 12, wherein the dedicated user interface is a graphical user interface comprising at least one of a drop-down menu, a pull-down menu, a radio button, a tab button, a segment display area or a slide bar.